

MODULAR DISTRIBUTED MOBILE DATA APPLICATIONS

Abstract of the Disclosure

Computer-implemented system and methods for deploying a distributed client-server system, enabling developers to rapidly create and deploy read-write distributed data interfaces for host database systems. The disclosed system is especially advantageous for mobile clients as connection to the server environment can be intermittent without unduly impeding local (disconnected) operations. One important aspect of the invention is an incremental process for executing an application servo in a client device. This process includes building and incrementally maintaining a logical context tree in which each node expresses a complete current state of the execution process.